**Amendments to the Claims**:

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**:

1. (original) A process for removing DOC from a concentrated salt solution containing DOC, said process comprising;

    (i) contacting the salt solution with a coagulant and/or flocculant such that the DOC becomes insoluble in the salt solution; and

    (ii) removing the insoluble DOC from the salt solution.

2. (currently amended) A process according to claim 1 wherein the concentrated salt solution containing DOC is a solution produced as a by-product from regenerating ion-exchange resin which ~~have~~ has been previously used to remove DOC from raw water.

3. (original) An industrial scale process for the removal of DOC from water containing DOC, said process comprising:

    (i) contacting the water with ion-exchange resin to enable adsorption of DOC on the resin;

    (ii) separating the resin loaded with DOC from the water;

    (iii) regenerating at least a portion of the separated resin by contacting it with a concentrated salt solution containing a source of anions such that the anions exchange with DOC adsorbed on the resin;

    (iv) separating the regenerated resin from the concentrated salt solution containing DOC;

(v) contacting the solution from step (iv) with a coagulant and/or flocculant such that the DOC becomes insoluble in the salt solution; and

(vi) removing insoluble DOC from the salt solution.

4. (original) A process according to claim 3 wherein the ion exchange resin has a density great than the water and the resin loaded with DOC is separated from the water by settling.

5. (original) A process according to claim 4 wherein the resin is collected by vacuum collection.

6. (original) A process according to claim 3 wherein the regenerated resin is separated from the concentrated salt solution containing DOC by filtering through a mesh of appropriate porosity.

7. (original) An industrial scale process for the removal of DOC from water containing DOC, said process comprising:

(i) contacting the water with ion-exchange resin to enable adsorption of DOC on the resin;

(ii) separating the resin loaded with DOC from the water;

(iii) regenerating at least a portion of the separated resin and recycling the remainder to step (i), wherein the resin is regenerated by contacting it with a concentrated salt solution containing a source of anions such that the anions exchange with the DOC adsorbed on the resin;

(iv) separating the regenerated resin from the concentrated salt solution containing DOC;

(v) recycling the regenerated resin back to step (i);

(vi) contacting the separated salt solution from step (iv) with a coagulant and/or flocculant such that the DOC becomes insoluble in the salt solution;

(vii) removing insoluble DOC from the salt solution to regenerate concentrated salt solution; and

(viii) recycling concentrated salt solution back to step (iii).

8. (currently amended) A process according to claim 3 ~~or claim 7~~ which is used in the treatment of a raw water source to produce potable water for distribution and consumption.

9. (original) A process according to claim 7 wherein the regenerated salt solution obtained from step (vii) is treated with a base.

10. (original) A process according to claim 7 wherein the regenerated concentrated salt solution is obtained from step (vii) has a pH of 7-ll.

11. (currently amended) A process according to ~~any one of claims~~ claim 2 ~~to 10~~ wherein the ion-exchange resin is magnetic ion-exchange resin.

12. (original) A process according to claim 11 wherein the magnetic ion-exchange is MIEX® resin.

13. (currently amended) A process according to ~~any one of claims~~ claim 1~~, 3 or 7~~ wherein the coagulant/focculant is selected from aluminium sulphate (alum), polyaluminum chloride, aluminium chlorohydrate, polyaluminium chlorohydrate, ferric chloride, ferric sulphate, polymerised ferric sulphate, polyDADMACS, polyacrylamide emulsion polymers, coagulant aids, and filter aids.

14. (original) A process according to claim 13 wherein the focculant/coagulant is selected from Ferric Chloride, Ferric Sulphate, polymerised Ferric sulphate and Aluminium sulphate (Alum).

15. (currently amended) A process according to ~~any one of claims~~ claim 1~~, 3 or 7~~ wherein the concentrated salt solution is a concentrated inorganic salt solution selected from NaCl, KCl, $NH_4Cl$, $CaC_{l2}$ and $MgCl_2$ or mixtures thereof.

16. (original) A process according to claim 15 wherein the concentrated salt solution is a brine solution.

17. (currently amended) A process according to claim 15 ~~or claim 16~~ wherein the salt solution has a concentration of greater than 1.5M, or 100 grams of total dissolved salt in a mixture of salts per litre of water.

18. (currently amended) A process according to ~~any one of claims~~ claim 1~~, 3 or 7~~ wherein the step of contacting the salt solution with a coagulant and/or flocculant is conducted under acidic conditions.

19. (original) A process according to claim 18 wherein the pH is less than 3.

20. (currently amended) A process according to ~~any one of claims~~ claim 1 ~~to 17~~ wherein the step of contacting the salt solution with a coagulant and/or flocculant further includes the addition of an acid.

21. (original) A process according to claim 20 wherein the acid is selected from HCl, $HNO_3$ and $H_2SO_4$.

22. (original) A process according to claim 21 wherein the acid is HCl.

23. (currently amended) A process according to ~~any one of claims~~ claim 20 ~~to 22~~ wherein the pH is about 2.

24. (currently amended) A process according to ~~any one of claims~~ claim 1 ~~to 23~~ wherein the insoluble DOC is removed from the salt solution by filtration.

25. (original) A process according to claim 24 wherein the filtration method is a plate and frame filter process.

26. (currently amended) A process according to ~~any one of claims~~ claim 1 ~~to 25~~ wherein the DOC which is removed from the salt solution is used as a fertilizer, feed-stock, soil conditioner, or health supplement.

27. (currently amended) A process according to ~~any one of claims~~ claim 1 ~~to 25~~ wherein the DOC which is removed from the salt solution is used as land fill.